

Appendix A

Questions used in the survey to study the selected variables

<i>Variable</i>		<i>Question</i>
a.1. awareness on the existence of this chemical element	→	Have you heard about radon? If yes: What can you tell about it?
a.2. awareness on the existence of investigations (measurements) dedicated to the presence of radon in houses and its effects on human health	→	Were radon measurements or tests developed in the region where you live?
b.1. extension of the consequences—present dimension	→	In your opinion, how many people in your region became ill because of radon?
b.2. extension of the consequences—future dimension	→	In your opinion, how many people in your region will become ill in the future because of radon?
b.3. rapidness of the manifestation of negative health consequences for those exposed to radon	→	If people live in an area where they are exposed to radon, how long does it take until their health is damaged due to radon?
b.4. seriousness of death risk for those exposed to radon	→	If people live in an area where they are exposed to radon, how serious is the death risk for them?
b.5. danger degree for the subject himself/herself if he/she is to be exposed to radon in his/her home	→	If you lived in an area where you would be exposed to radon, how high/low would be for you the danger degree to become ill?
b.6. danger degree for children (living there) if they are to be exposed to radon	→	If your children/grandchildren lived in an area where they would be exposed to radon, how high/low would be for them the danger degree to become ill?
b.7. danger degree for neighbors if they are to be exposed to radon in their homes	→	If you lived in an area where you would be exposed to radon, how high would be for your neighbors the danger degree to become ill?
b.8. radon accumulation sources in houses	→	Which are the causes that lead to the accumulation of radon in houses? (multiple choice question)
b.9. level of radon accumulation in subject's house	→	In your opinion, how high is the radon level inside your home?
c.1. WTP to protect their homes against radon (through improvement works)	→	How much would you pay/ year to protect your house against radon?
c.2. WTA to be submitted to a free radon test	→	Are you willing to accept a free test in order to determine the level of radon in your home?
c.3. WTA to start dwelling works to protect their homes against radon, using public funds	→	Are you willing to start dwelling works to protect you home against radon, using public funds? If yes, how soon?
d.1. duration the windows are open for aeration in summer	→	How long do you keep your window open for aeration during summer time?
d.2. duration the windows are open for aeration in winter	→	How long do you keep your window open for aeration during winter time?
d.3. duration of their residence in the locality until present	→	Since when have you been living in this locality?
d.4. duration of intended future residence in the locality	→	How long do you intend to keep on living in this locality?

Appendix B

Table 4. Wilcoxon Signed Ranks Test results for comparison of perceived levels of radon risk between variables: (A), (B), and (C)*

(A) Comparison between variables b.6. and b.5.						
Ranks		N	Mean Rank	Sum of Ranks	Test Statistics ^a	
						b.6.Risk disease children – b.5.Risk disease subject
	Negative Ranks	32 ^a	40.38	1292.00	Z	-1.870 ^b
b.6.Risk disease children – b.5.Risk disease subject	Positive Ranks	49 ^b	41.41	2029.00	Asymp. Sig. (2-tailed)	.061
	Ties	148 ^c				
	Total	229				
a. b.6.Risk disease children < b.5.Risk disease subject					a. Wilcoxon Signed Ranks Test	
b. b.6.Risk disease children > b.5.Risk disease subject					b. Based on negative ranks.	
c. b.6.Risk disease children = b.5.Risk disease subject						
(B) Comparison between variables b.7. and b.5.						
Ranks		N	Mean Rank	Sum of Ranks	Test Statistics ^a	
						b.7.Risk disease neighbors – b.5.Risk disease subject
	Negative Ranks	17 ^a	18.65	317.00	Z	-.036 ^b
b.7.Risk disease neighbors – b.5.Risk disease subject	Positive Ranks	18 ^b	17.39	313.00	Asymp. Sig. (2-tailed)	.972
	Ties	194 ^c				
	Total	229				
a. b.7.Risk disease neighbors < b.5.Risk disease subject					a. Wilcoxon Signed Ranks Test	
b. b.7.Risk disease neighbors > b.5.Risk disease subject					b. Based on negative ranks.	
c. b.7.Risk disease neighbors = b.5.Risk disease subject						
(C) Comparison between variables b.7. and b.6.						
Ranks		N	Mean Rank	Sum of Ranks	Test Statistics ^a	
						b.7.Risk disease neighbors - b.6.Risk disease children
	Negative Ranks	44 ^a	35.86	1578.00	Z	-2.117 ^b
b.7.Risk disease neighbors - b.6.Risk disease children	Positive Ranks	26 ^b	34.88	907.00	Asymp. Sig. (2-tailed)	.034
	Ties	159 ^c				
	Total	229				
a. b.7.Risk disease neighbors < b.6.Risk disease children					a. Wilcoxon Signed Ranks Test	
b. b.7.Risk disease neighbors > b.6.Risk disease children					b. Based on negative ranks.	
c. b.7.Risk disease neighbors = b.6.Risk disease children						
* (A) b.5. Danger degree for himself/herself and b.6. Danger degree for children;						
(B) b.7. Danger degree for neighbors and b.5. Danger degree for himself/herself;						
(C) b.7. Danger degree for neighbors and b.6. Danger degree for children						

* (A) b.5. Danger degree for himself/herself and b.6. Danger degree for children;
 (B) b.7. Danger degree for neighbors and b.5. Danger degree for himself/herself;
 (C) b.7. Danger degree for neighbors and b.6. Danger degree for children

Table 5. Mann-Whitney U Test results for differences between men and women regarding radon risk perceptions related to variables b.1.-b.8.

Ranks				
	Gender	N	Mean Rank	Sum of Ranks
b.1. Extension of the consequences – present dimension	M	106	105.74	11208.00
	F	122	122.11	14898.00
	Total	228		
b.2. Extension of the consequences – future dimension	M	106	99.88	10587.00
	F	122	127.20	15519.00
	Total	228		
b.8. Level of radon accumulation in the house	M	106	124.97	13247.00
	F	122	105.40	12859.00
	Total	228		
Test Statistics ^a				

	b.1. Extension of the consequences – present dimension	b.2. Extension of the consequences – future dimension	b.3. Rapidness of health consequences manifestation	b.4. Seriousness of death risk	b.5. Danger degree for himself/ herself	b.6. Danger degree for children	b.7. Danger degree for neighbors	b.8. Level of radon accumulation in the house
Mann-Whitney U	5537.000	4916.000	6074.000	6193.500	5805.500	5722.000	5575.500	5356.000
Wilcoxon W	11208.000	10587.000	11745.000	11864.500	11476.500	11393.000	11246.500	12859.000
Z	-2.311	-3.392	-.841	-.576	-1.393	-1.560	-1.889	-2.465
Asymp. Sig. (2- tailed)	.021	.001	.401	.565	.164	.119	.059	.014

a. Grouping Variable: Gender